

Clean Set Of Pending Claims
U.S. Patent Application No. 10/042,675

41. (Amended) A system for processing financial institution documents comprising:
a multitude of compact full-image processing units communicatively coupled together to form a network, each of the full image processing units comprising:
an input receptacle for receiving financial institution documents;
a full image scanner;
a transport mechanism coupled to the input receptacle adapted to receive the documents from the input receptacle and transport the documents past a full image scanner and a discrimination unit;
an output receptacle adapted to receive the documents from the transport mechanism after the documents have been transported past the full image scanner and discrimination unit;
the full image scanner being adapted to obtain full video images of the documents, the scanner further being adapted to optically recognize fields within the documents and to automatically extract information from the fields;
the discrimination unit including an authenticator adapted to automatically determine the authenticity of the documents;
a controller coupled to the full image scanner; and
an interface coupled to the controller and adapted to automatically communicate with an outside accounting system, the outside accounting system being adapted to update financial accounts associated with the documents substantially immediately without human intervention.
42. (Amended) The system of claim 41, wherein the output receptacle is a single bin.
43. (Amended) The system of claim 41, wherein the output receptacle is a plurality of bins.

44. (Amended) The system of claim 41, further comprising a communications panel adapted to communicate operational instructions from the controller to a user.

45. (Amended) The system of claim 41, wherein the outside accounting system is adapted for storing, tracking, and analyzing the information from the full-image processing units.

47. (Amended) The system of claim 41, wherein the documents have wide and narrow dimensions and the documents are transported with their wide dimension parallel to the direction of transport.

48. (Amended) The system of claim 41, wherein the documents have wide and narrow dimensions and the documents are transported with their narrow dimension parallel to the direction of transport.

49. (Amended) The system of claim 41, wherein the multitude of units are located at teller windows, retailers, and financial institutions.

50. (Amended) The system of claim 41, wherein the financial institution documents comprise checks and deposit slips.

51. (Amended) A system for processing financial institution documents comprising:
a multitude of image processing units communicatively coupled together to form a network, the units processing financial institution documents deposited by users, the units comprising:
an input receptacle for receiving financial institution documents;
a full image scanner;
a transport mechanism coupled to the input receptacle adapted to receive the documents from the input receptacle and transport the documents past the full image scanner;

an output receptacle adapted to receive the documents from the transport mechanism after being transported past the full image scanner;
the full image scanner being adapted to obtain full video images of the documents, the scanner further being adapted to optically recognize fields within the documents and to automatically extract information from the fields;
a controller coupled to the full image scanner; and
an interface adapted to communicate the information contained in selected areas of the document to an outside accounting system, the interface coupled to the controller wherein deposits and withdrawals from personalized accounts in the accounting system are processed automatically substantially immediately.

52. (Amended) The system of claim 51, wherein the output receptacle is a single bin.
53. (Amended) The system of claim 51, wherein the output receptacle is a plurality of bins.
54. (Amended) The document processing system of claim 51, wherein the outside accounting system is a deposit system.
55. (Amended) The document processing system of claim 51, wherein the outside accounting system is a withdrawal system.
56. (Amended) The system of claim 51, further comprising a teller monitor coupled to the controller.
57. (Amended) The system of claim 51, wherein the documents have wide and narrow dimensions and the documents are transported with their wide dimension parallel to the direction of transport.

58. (Amended) The system of claim 51, wherein the documents have wide and narrow dimensions and the documents are transported with their narrow dimension parallel to the direction of transport.

78. (Amended) A financial institution document processing system comprising:
an input receptacle for receiving financial institution documents;
a full image scanner;
a transport mechanism coupled to the input receptacle adapted to receive the documents from the input receptacle and transport the documents past a full image scanner;
only two output receptacles for receiving the documents from the transport mechanism after being transported past the full image scanner;
the full image scanner being adapted to obtain full video images of the documents, the scanner further being adapted to optically recognize fields within the documents and to automatically extract information from the fields;
a controller coupled to the full image scanner; and
an interface coupled to the controller and adapted to automatically communicate with an outside accounting system, the outside accounting system being adapted to update financial accounts associated with the documents substantially immediately without human intervention.

79. (Amended) The system of claim 78, wherein the financial institution documents have wide and narrow dimensions and the financial institution documents are transported with their narrow dimension parallel to the direction of transport.

80. (Amended) The system of claim 78, wherein the financial institution documents have wide and narrow dimensions and the financial institution documents are transported with their wide dimension parallel to the direction of transport.

81. (Amended) The system of claim 78, wherein the financial institution documents include checks and deposit slips.

82. (Amended) The system of claim 78, wherein the financial institution documents are chosen from the group consists of mortgage payment slips, coupons, savings deposit slips.

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212. (Amended) The system of claim 78, wherein the financial institution documents comprise checks, deposit slips, withdrawal slips, ~~loan~~ payment documents, and cash tickets.

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213. (New) The system of claim 49, wherein the units located at financial institutions comprise units located at teller windows.

214. (New) The system of claim 51, wherein the output receptacle comprises two bins.